D-Link
Building Networks for People

DWL-AG132

AirPremier AG

Wireless 108AG USB Adapter

FEATURES

Dualband Wireless Connectivity:
- Up to 108Mbps Using 802.11a/g[1]
- 802.11b Backward Compatible

Convenient USB Connectivity:
- USB 2.0 Ports for Desktops or Notebook PCs
- Backward Compatible to USB 1.1 Ports[2]

Industry Standard Wireless Network Encryption:
- WPA-Personal
- WPA-Enterprise
- WEP (Wired Equivalent Privacy)

Business-class User Authentication:
- 802.1x RADIUS
- EAP-TLS (Extensible Authentication Protocol)
- EAP-TTLS (Extensible Authentication Protocol)

Certifications:
- Wi-Fi 802.11a
- Wi-Fi 802.11b
- Wi-Fi 802.11g

D-Link's *Air*Premier® AG line of 802.11a/g networking products offer a variety dualband wireless connectivity options. Dualband wireless connectivity enables more versatility in network deployment, which can maximize your network investment. D-Link proudly introduces the newest member of the *Air*Premier AG family, the DWL-AG132 Wireless USB Adapter.

The DWL-AG132 is a Wireless USB 2.0 Adapter that adds high-performance 802.11a/g wireless connectivity to your desktop or notebook PC via the convenience of USB. Avoid the hassle of stringing Ethernet cables to your computer or dismantling your desktop PC case to insert a wireless adapter. Simply plug in the DWL-AG132 into an available USB 2.0[2] port and enjoy the freedom of wireless networking.

Powered by D-Link 108AG Technology, this Wireless 108AG USB Adapter is capable of delivering maximum wireless signal rates of up to 108Mbps[1] when used with other *Air*Premier AG devices. Dualband capability ensures that the DWL-AG132 is compatible with virtually all 802.11a/b/g networks and devices.

The DWL-AG132 is designed to connect out of the box with other *Air*Premier AG products making this USB adapter a plug and play solution. An installation wizard make simplifies device discovery and driver configuration. Thereafter, the site survey configuration utility discovers available nearby wireless networks to get you connected quickly. This utility can create detailed connectivity profiles to save and manage your most frequently accessed networks.

For accessing secure networks, this Wireless USB Adapter supports both WPA-Personal and WPA-Enterprise. Now you can utilize EAP-TLS and EAP-TTLS for secure user authentication through an 802.1x RADIUS server. Data over the air is encrypted using either TKIP. Future upgrades to the DWL-AG132 firmware will ensure support for the IEEE 802.11i security specification.

The DWL-AG132 can be used in peer-to-peer mode (ad-hoc) to directly connect to other 802.11a or 802.11b/g devices for direct file sharing, or in client mode (infrastructure) to connect with wireless access points or routers.

The DWL-AG132 features Wi-Fi certification in all three wireless bands, 802.11a, 11b, and 11g, which ensures wireless compatibility and robust data encryption for sensitive data requirements.

Compact in size, this Wireless 108AG USB Adapter is great for travel and is a convenient solution for providing high-performance dualband wireless connectivity to your desktop or notebook PC.

Product Data Sheet

AirPremier AG

DWL-AG132

Wireless 108AG USB Adapter

Specifications

Standards:
- 802.11a
- 802.11b
- 802.11g
- USB 2.0
- USB 1.1

Device Management
- D-Link Wireless Utility

Data Rate[1]
- 802.11a - 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps
- 802.11g - 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps
- 802.11b - 11, 5.5, 2 and 1Mbps

Security
- 64/128-bit WEP
- WPA-Personal
- WPA-Enterprise (includes 802.1x)

Wireless Frequency Range
- 5.15GHz – 5.85GHz
- 2.4GHz – 2.497GHz

Wireless Operating Range[3]
- Indoors: Up to 328 feet (100 meters)
- Outdoors: Up to 1,312 feet (400 meters)

Modulation Technology
- Orthogonal Frequency Multiplexing (OFDM)
- Complementary Code
- Direct Sequence Spread Spectrum (DSSS)

Receiver Sensitivity
- 802.11a: -66dBm for 108Mbps @ 10% PER
- 802.11g: -88dBm at 6Mbps @ 10% PER
- 802.11g: -86dBm at 9Mbps @ 10% PER
- 802.11g: -84dBm at 12Mbps @ 10% PER
- 802.11g: -82dBm at 18Mbps @ 10% PER
- 802.11g: -78dBm at 24Mbps @ 10% PER
- 802.11g: -74dBm at 36Mbps @ 10% PER
- 802.11g: -69dBm at 48Mbps @ 10% PER
- 802.11g: -66dBm at 54Mbps @ 10% PER
- 802.11g: -70dBm at 108Mbps @ 10% PER
- 802.11b: -82dBm for 11Mbps @ 8% PER
- 802.11b: -87dBm for 2Mbps @ 8% PER

Wireless Transmit Power
- 11g – +15dBm @ 54 and 48Mbps
- 11g – +16dBm @ 36Mbps
- 11g – +17dBm @ 24, 18, 12, 9 and 6Mbps
- 11b – 16dBm @ 11, 5.5, 2 and 1Mbps

External Antenna Type
- Integrated Antenna

LEDs
- Activity
- Link

Power Consumption
- 472 mA in continuous transmit mode
- 290 mA in continuous receive mode

Temperature
- Operating: 0° C to +40° C
- Non-Operating: -20° C to +75° C

Humidity
- Operating: 20% - 80% (non-condensing)
- Non-operating: 5% to 95% (non-condensing)

Certifications
- FCC
- UL

Dimensions
- L – 3.23in (82mm)
- W – 1.10in (28mm)
- H – 0.47in (12mm)

Weight
- 0.81lbs

Warranty
- 1 Year

[1] Maximum wireless signal rate derived from IEEE Standard 802.11a, 802.11b and 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.
[2] Using a USB 1.1 Port will affect device performance.
[3] Environmental conditions may adversely affect wireless signal range.

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